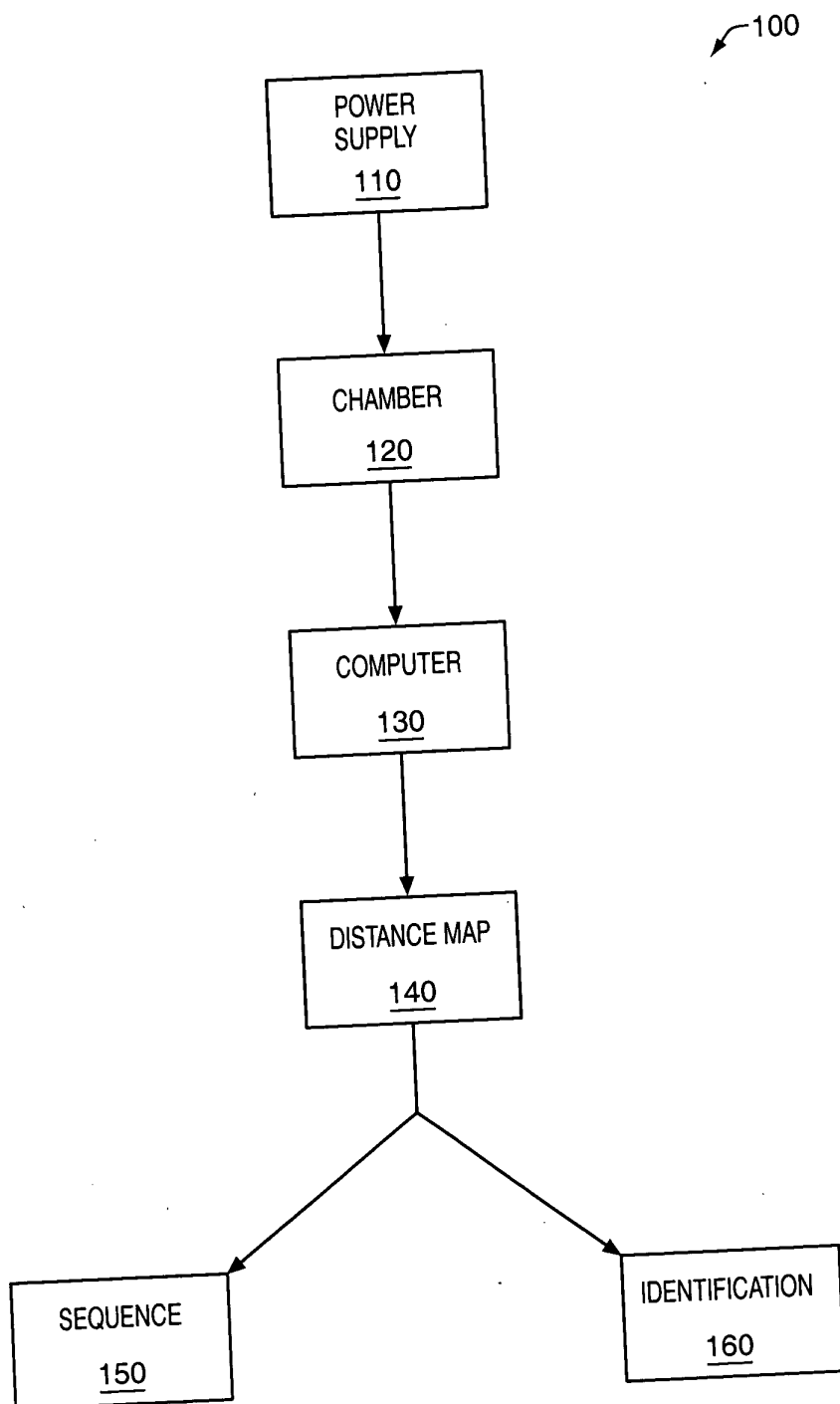
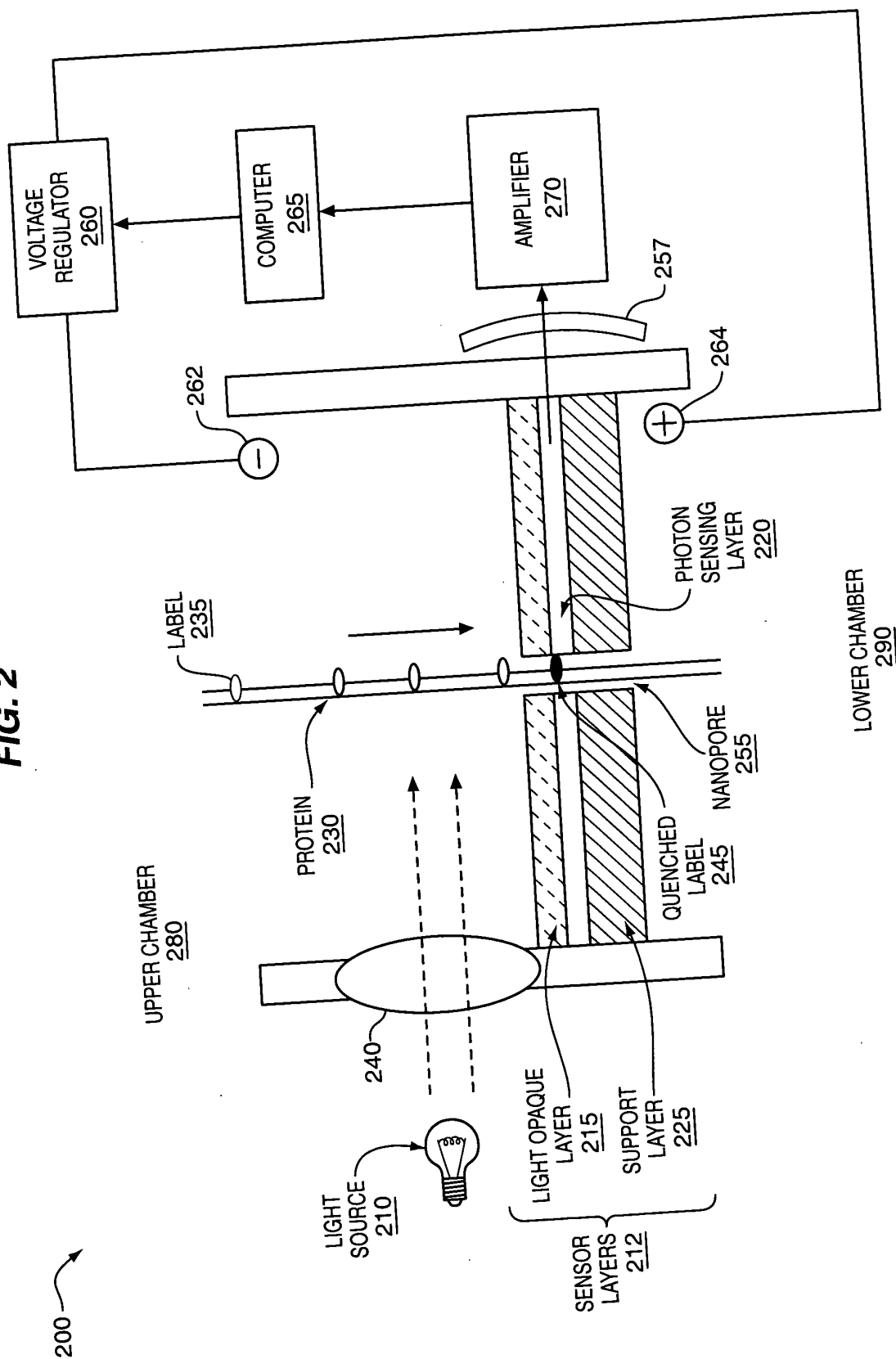


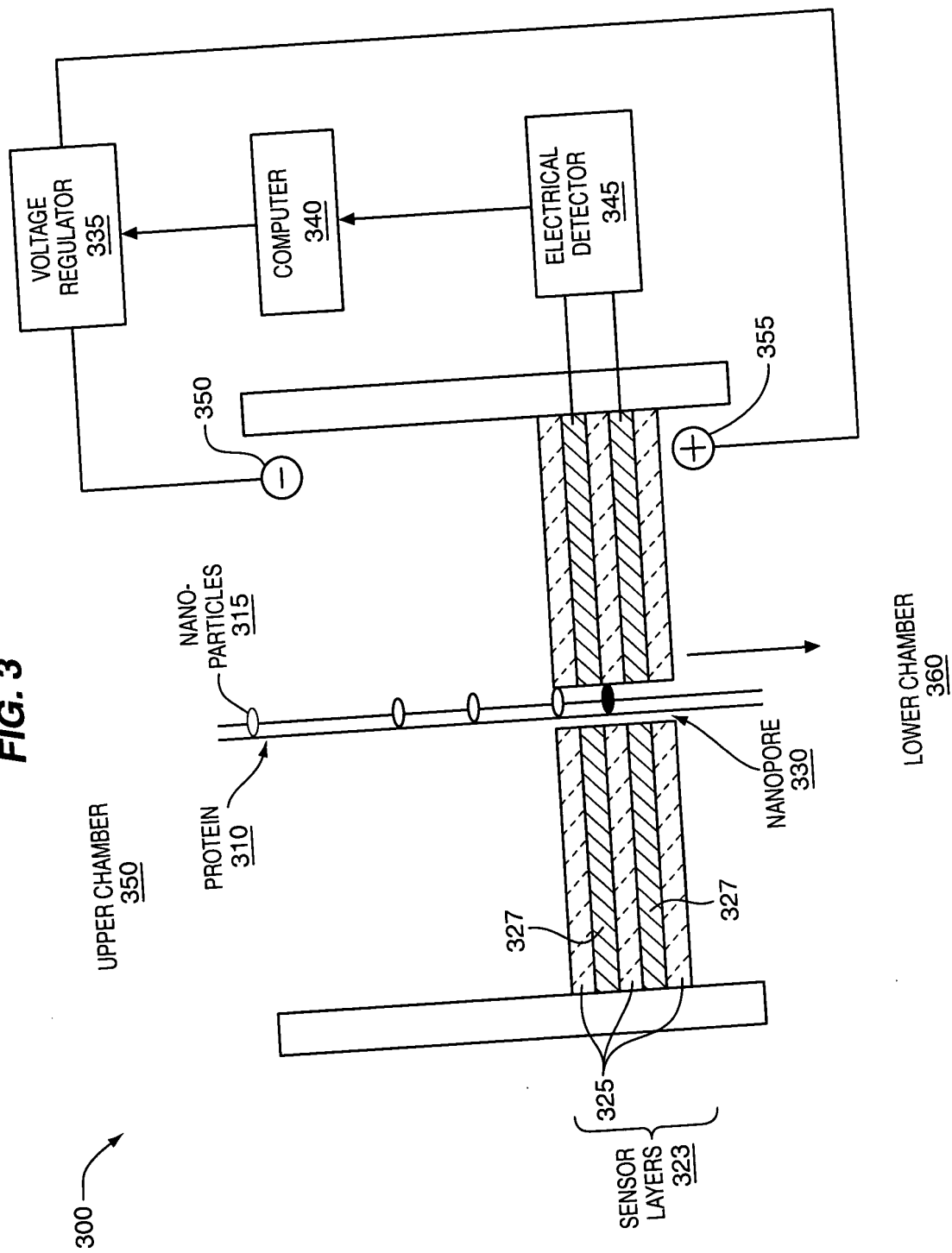
**FIG. 1**



**FIG. 2**

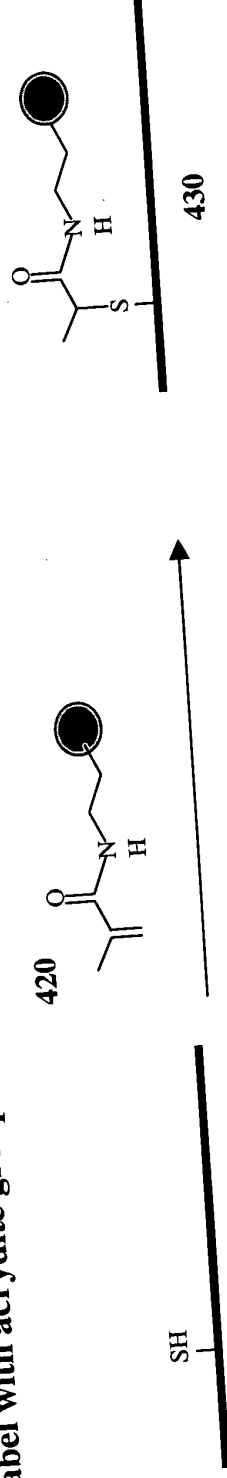


**FIG. 3**



# Tagging Cysteine Residues

## 1) Label with acrydite group



## 2) Label with amino group

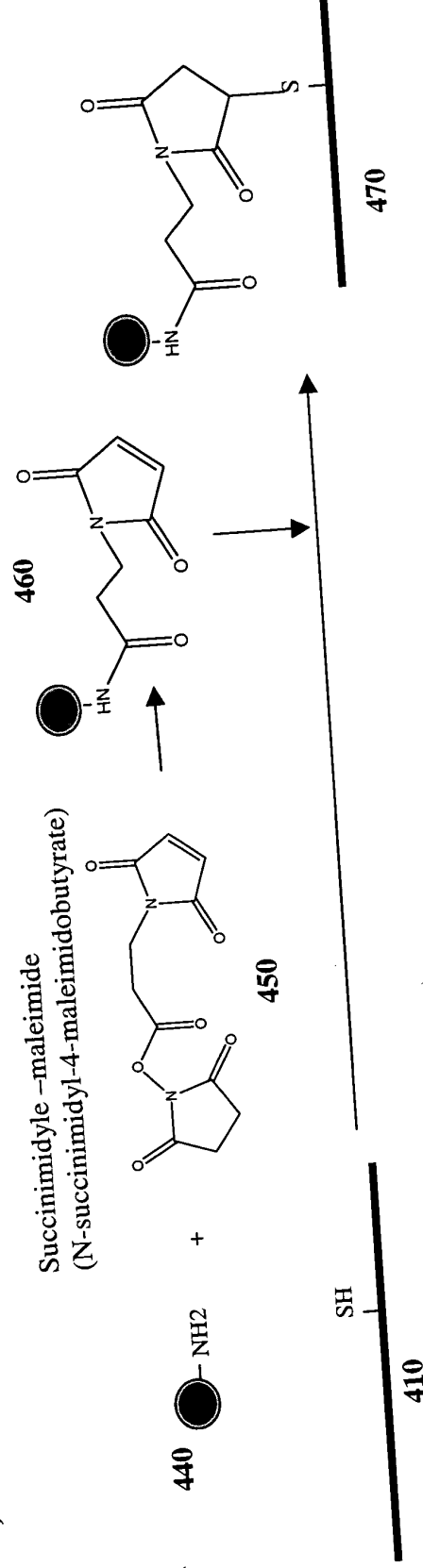
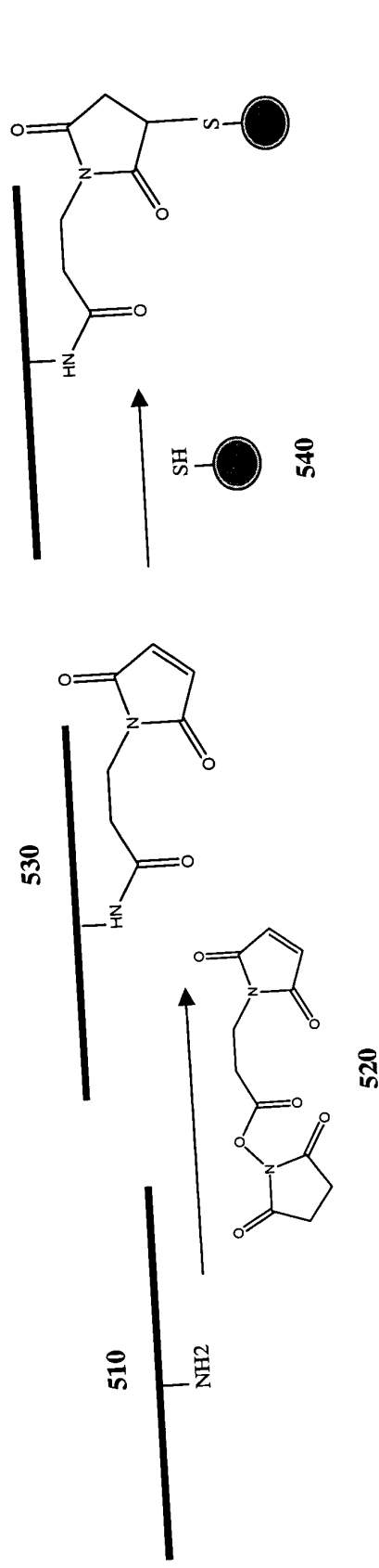


FIG. 4

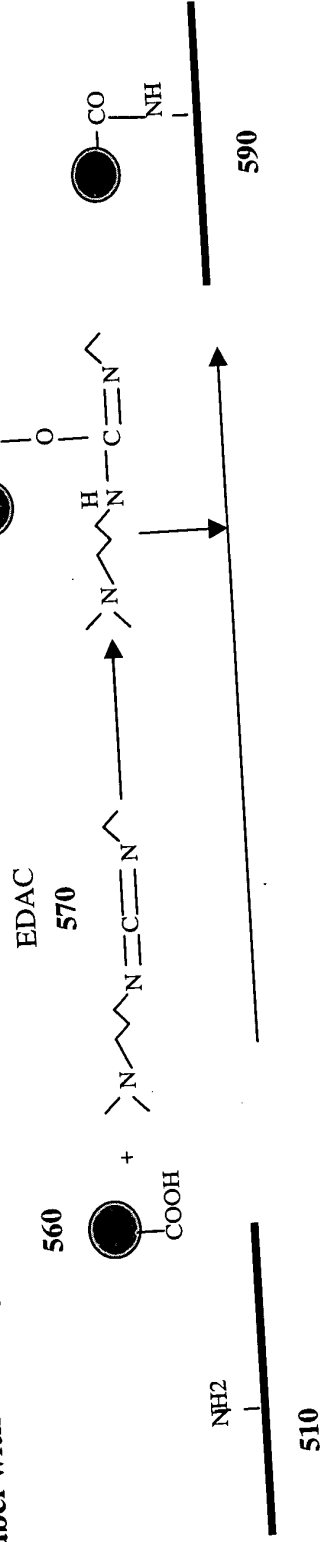
**FIG. 5**

**Tagging Lysine, Arginine and N-terminal Residues**

**1) Label with thiol group – Maleimide activation**



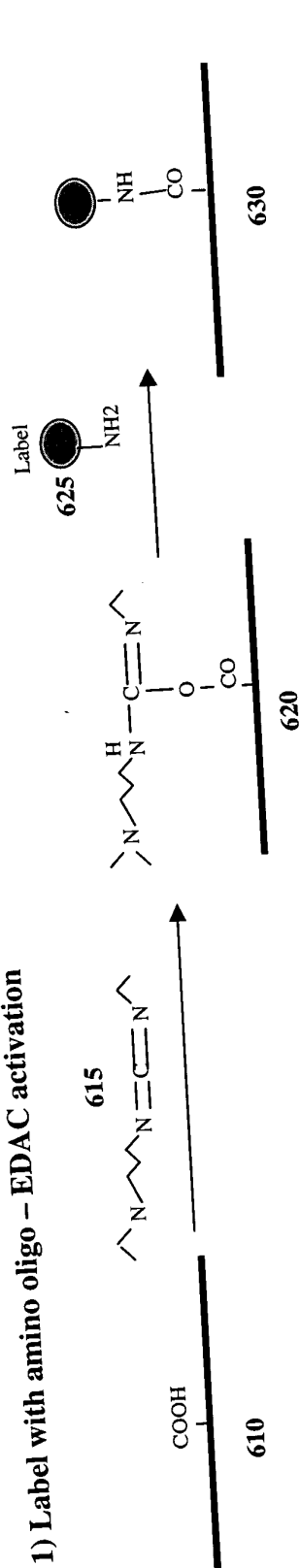
**2) Label with carboxyl group – EDAC activation**



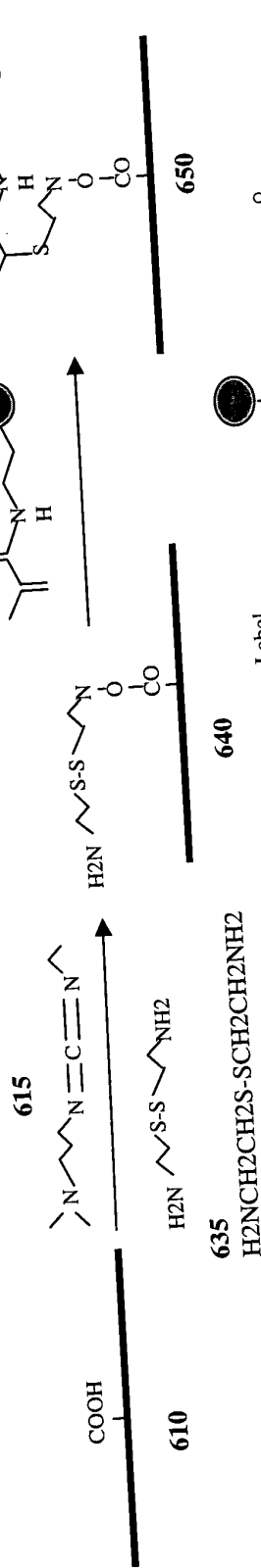
**FIG. 6**

**Tagging Aspartate, Glutamate and C-terminal Residues**

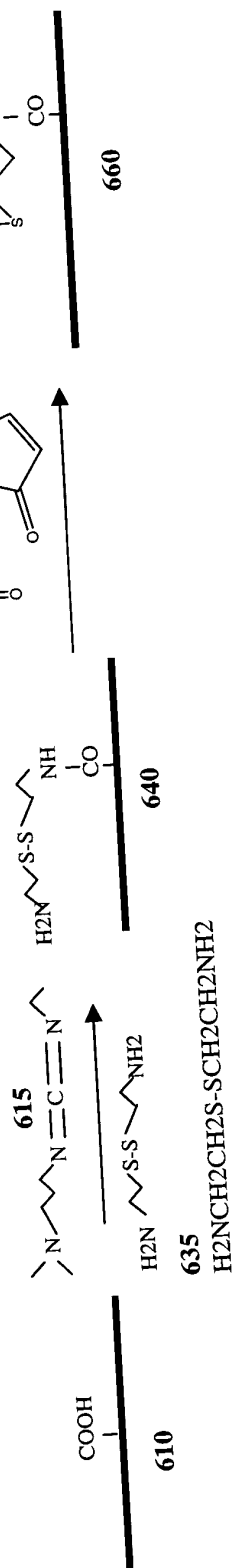
**1) Label with amino oligo – EDAC activation**



**2) Label with acrydite oligo – Thio activation**



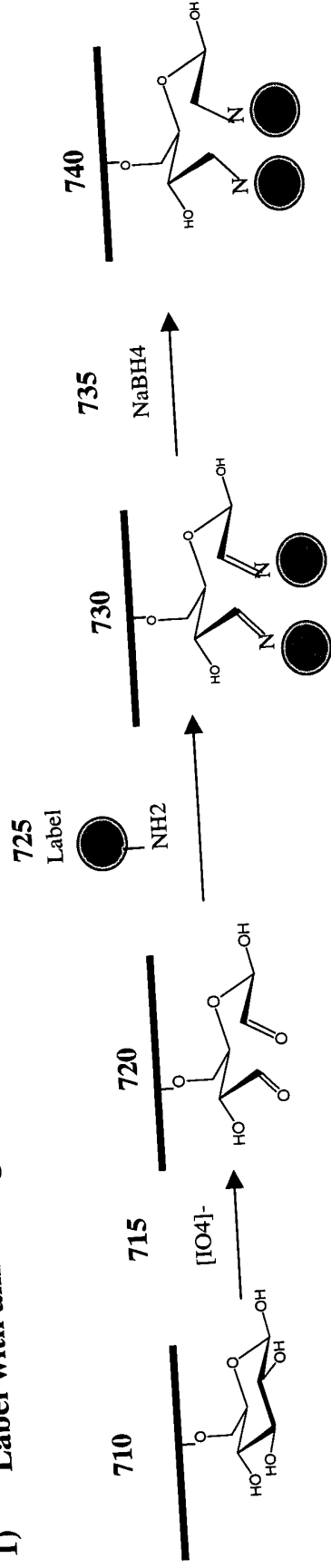
**3) Label with maleimide oligo – Thio activation**



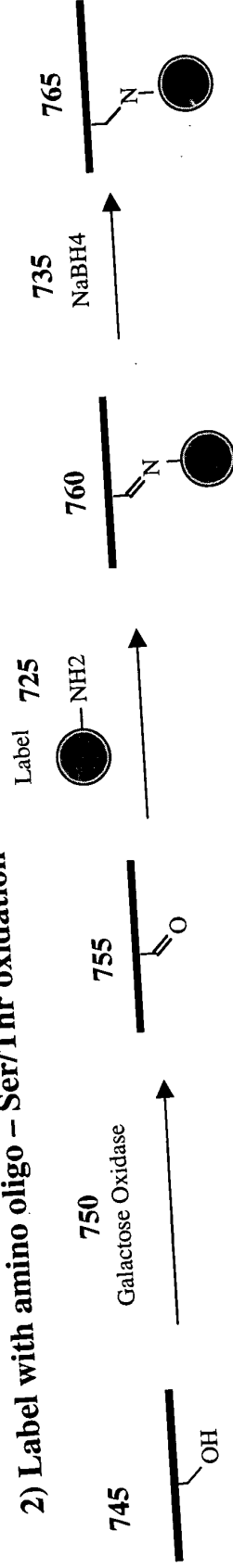
**FIG. 7**

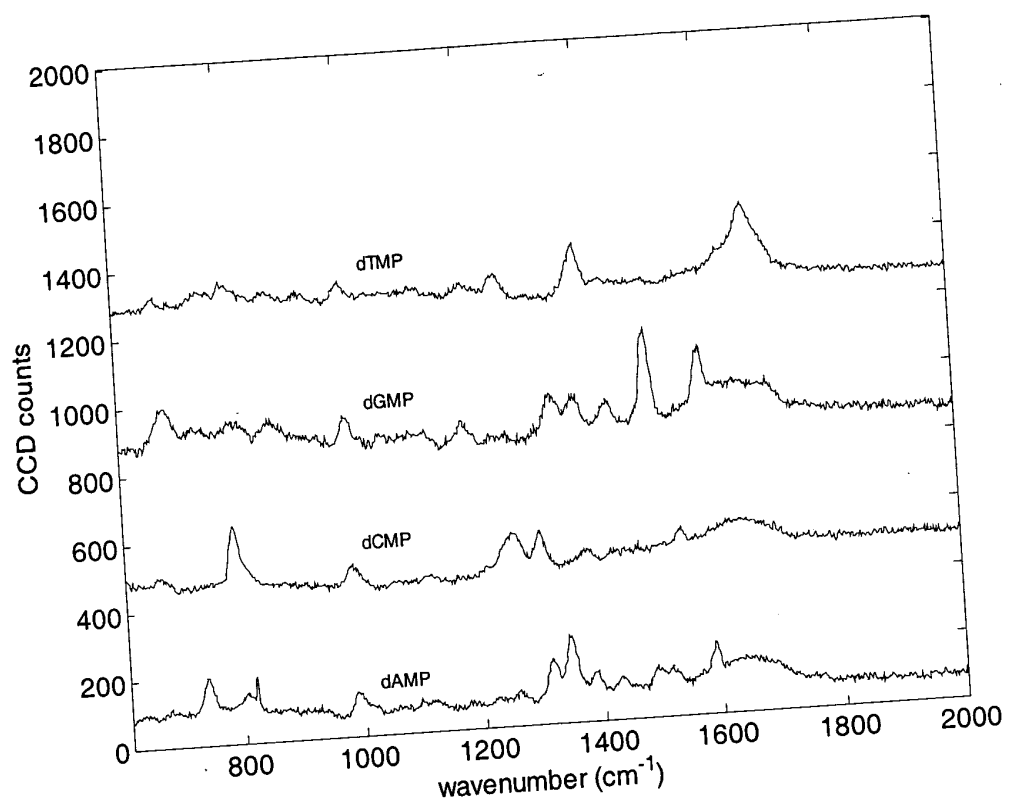
# **Tagging Serine, Threonine and Glycosylated Residues**

## **1) Label with amino oligo – sugar oxidation**



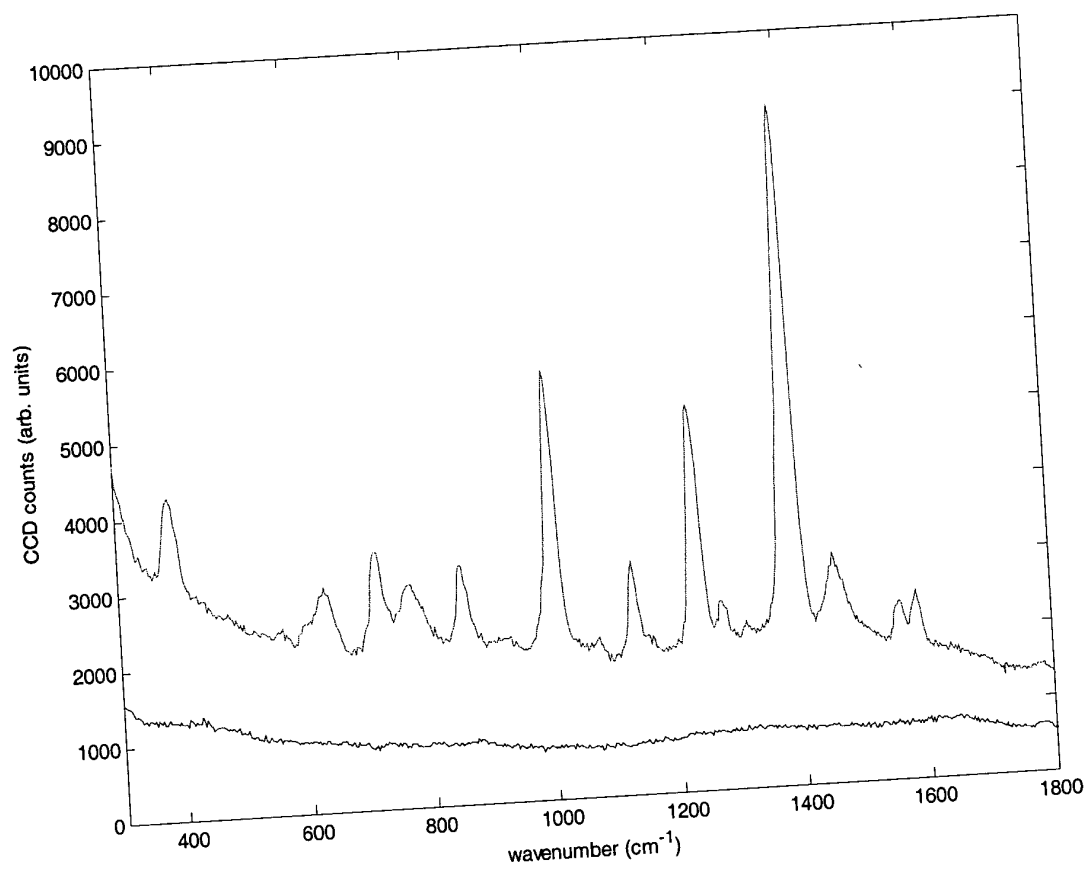
## **2) Label with amino oligo – Ser/Thr oxidation**



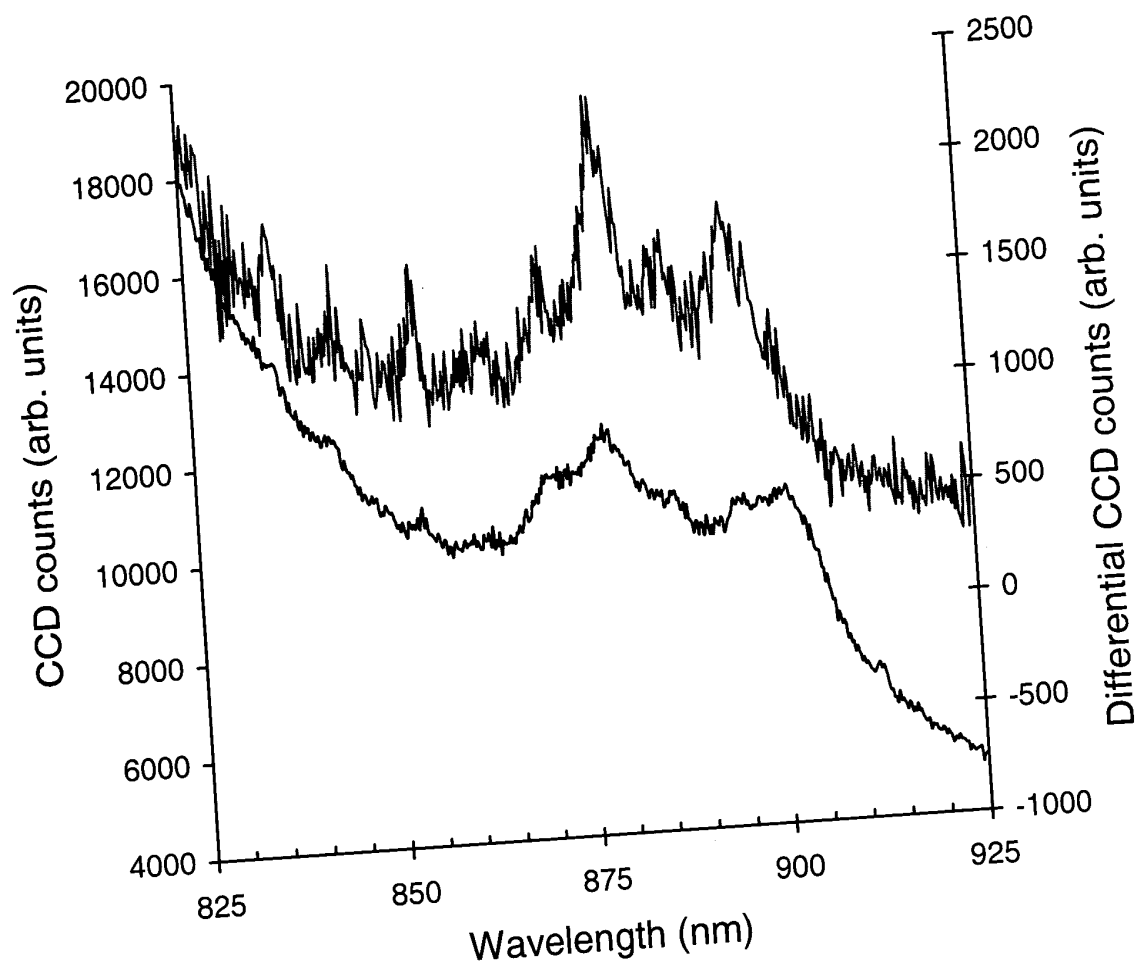


**FIG. 8**

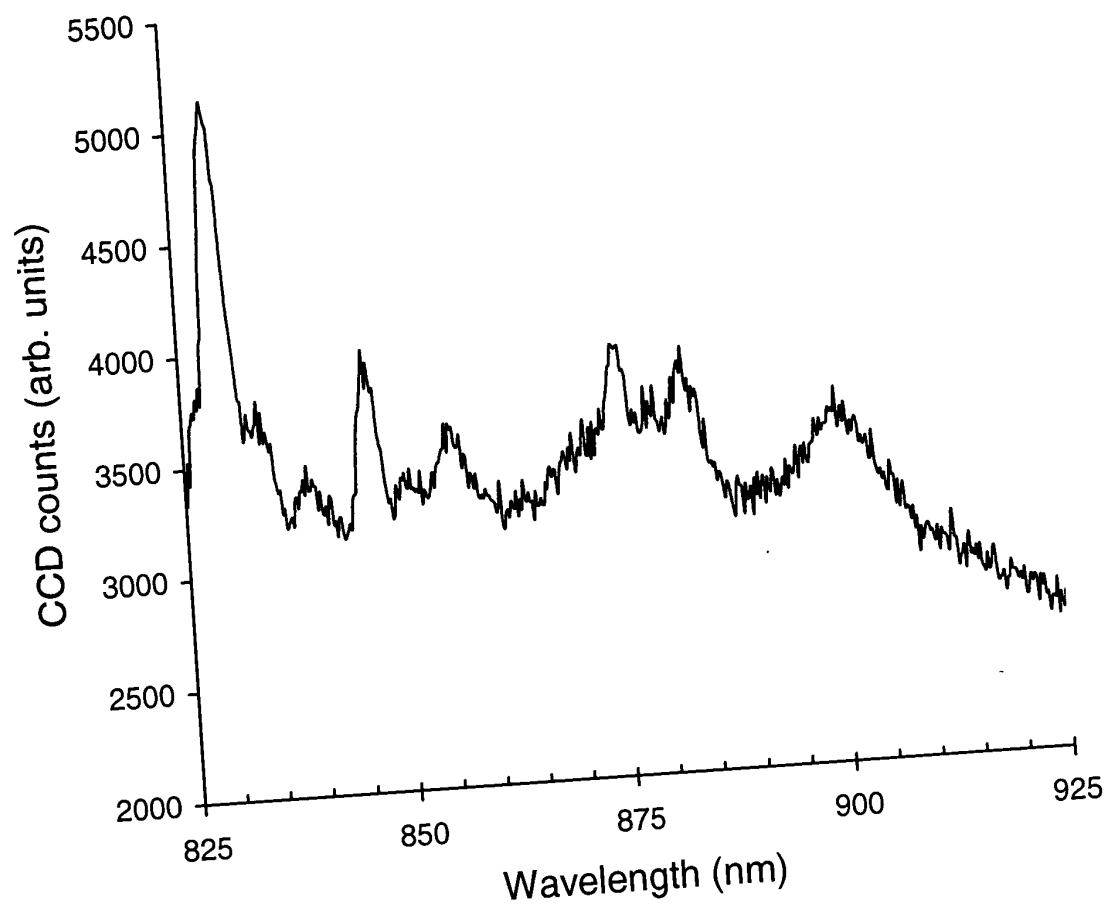
**FIG. 9**



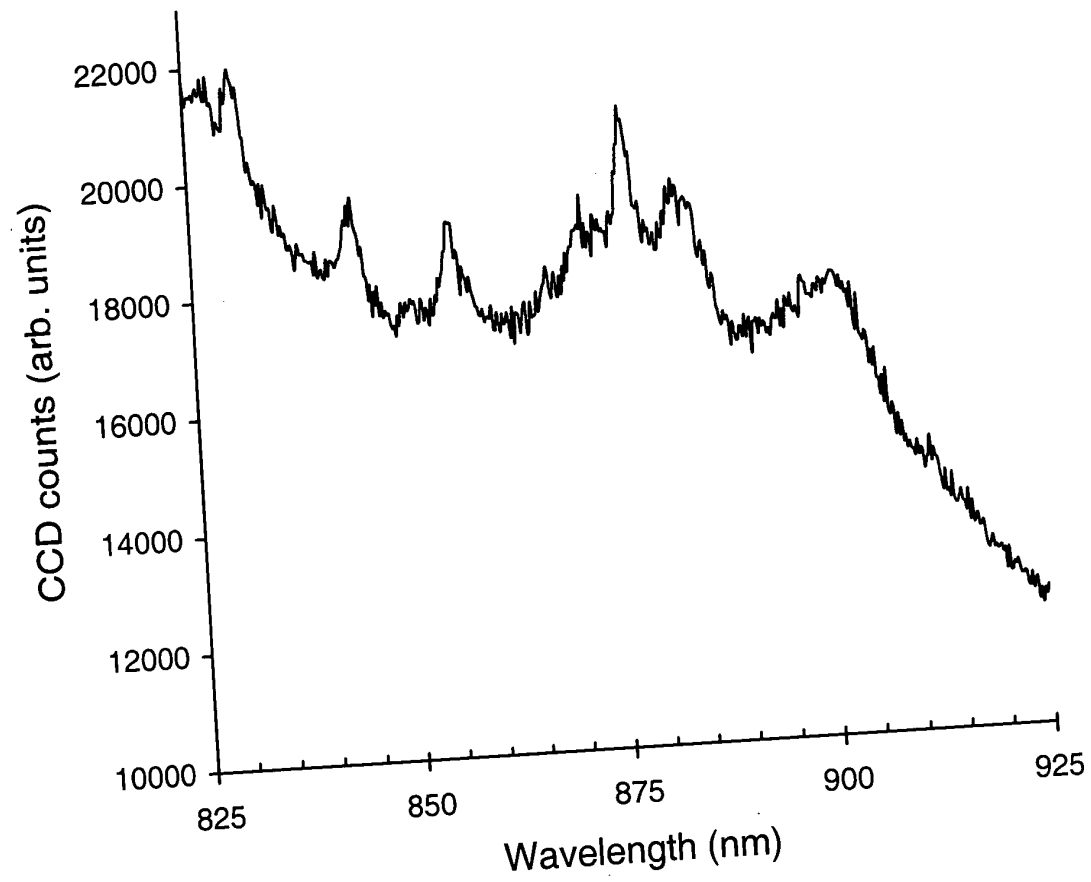
**FIG. 10**



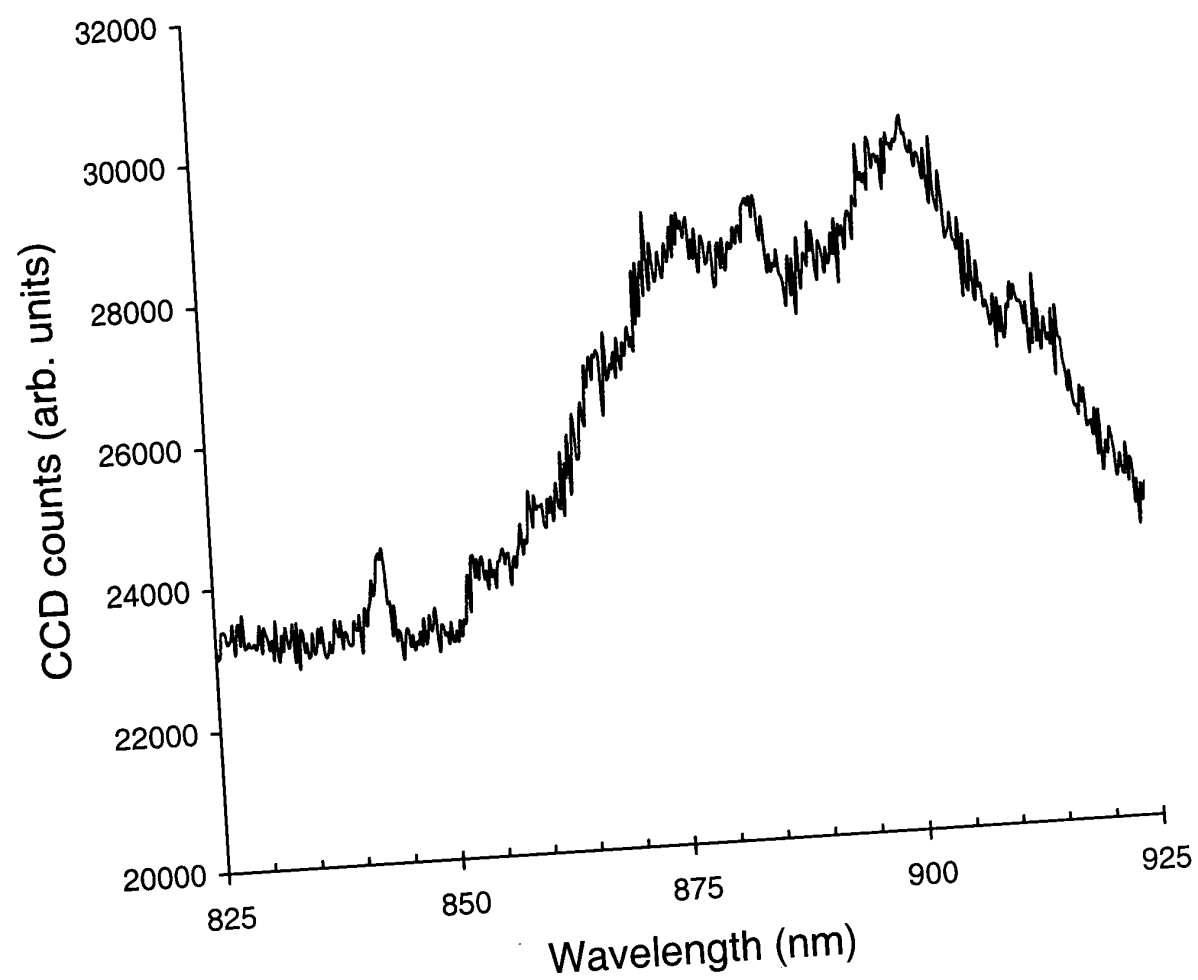
**FIG. 11**



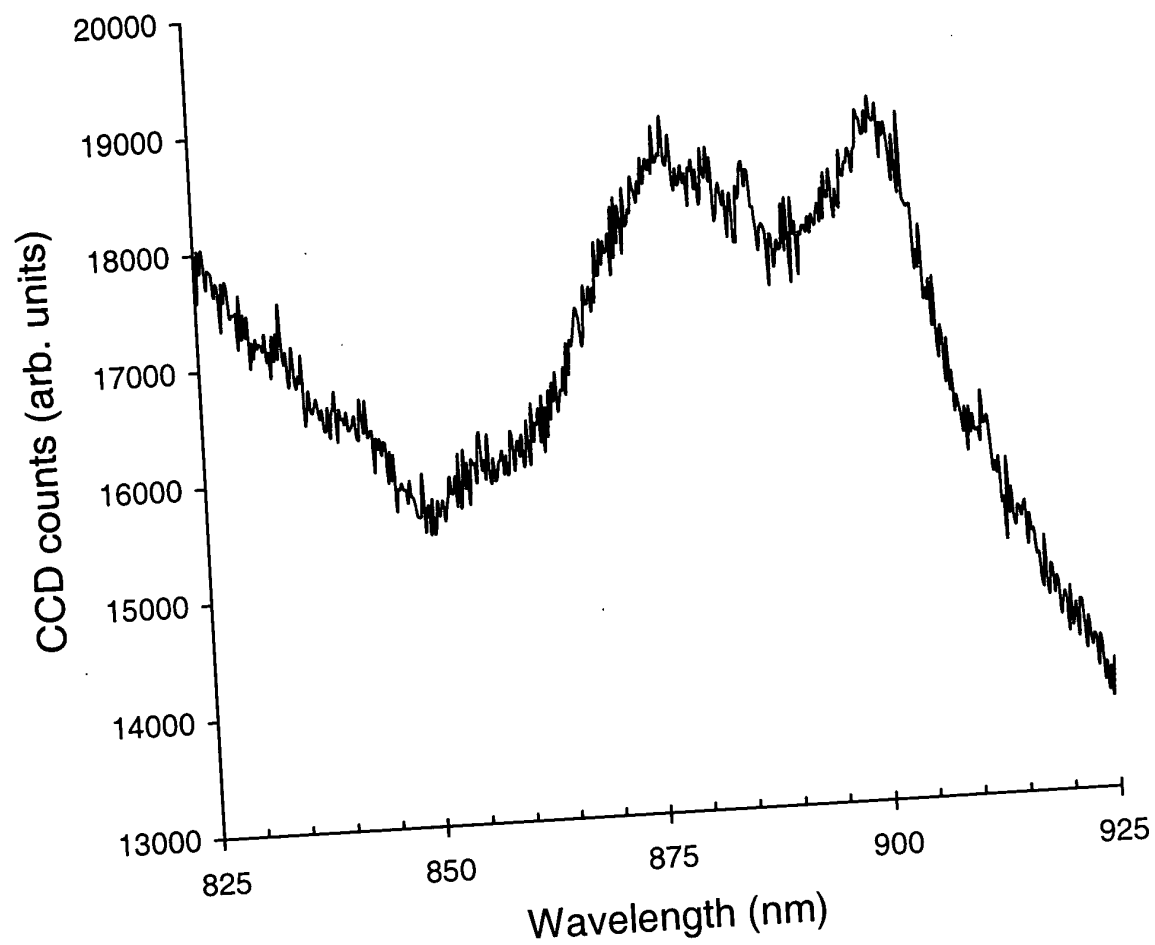
**FIG. 12**



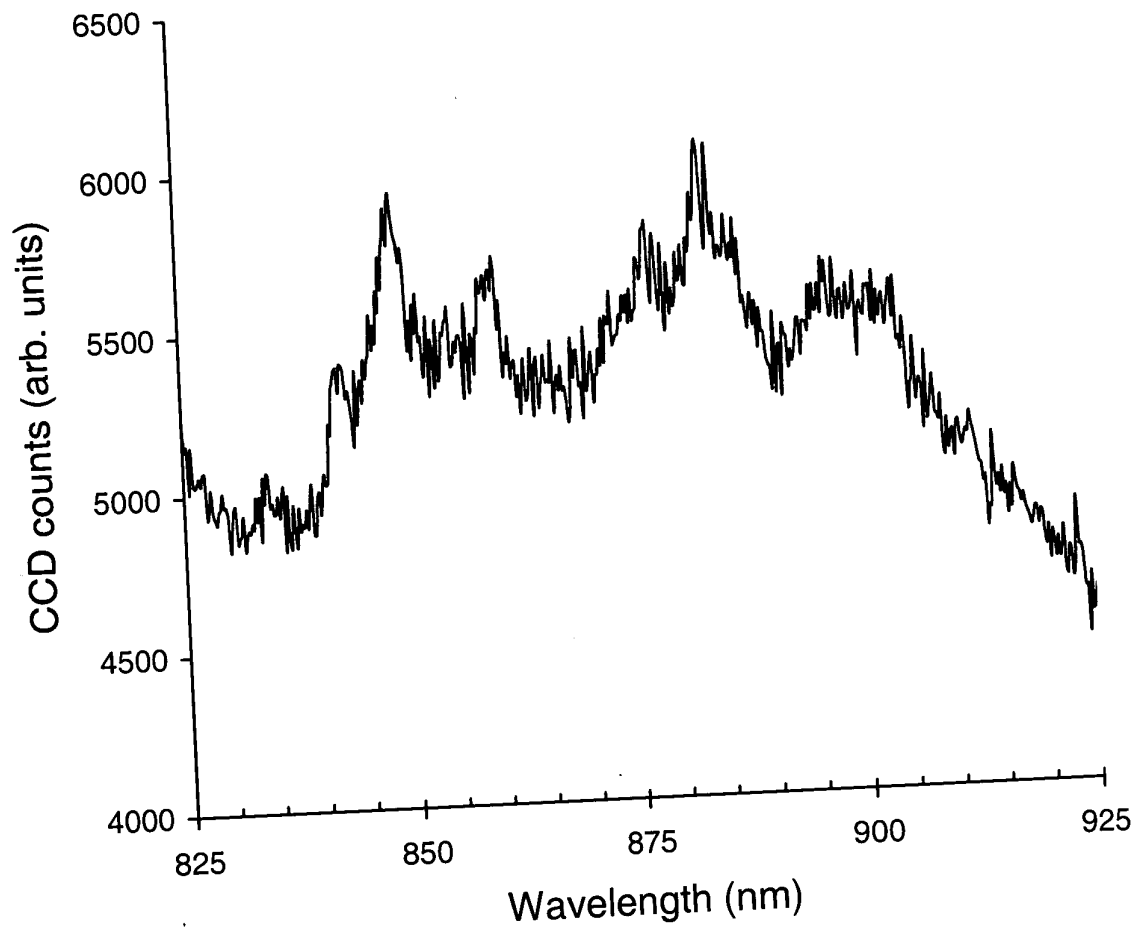
**FIG. 13**



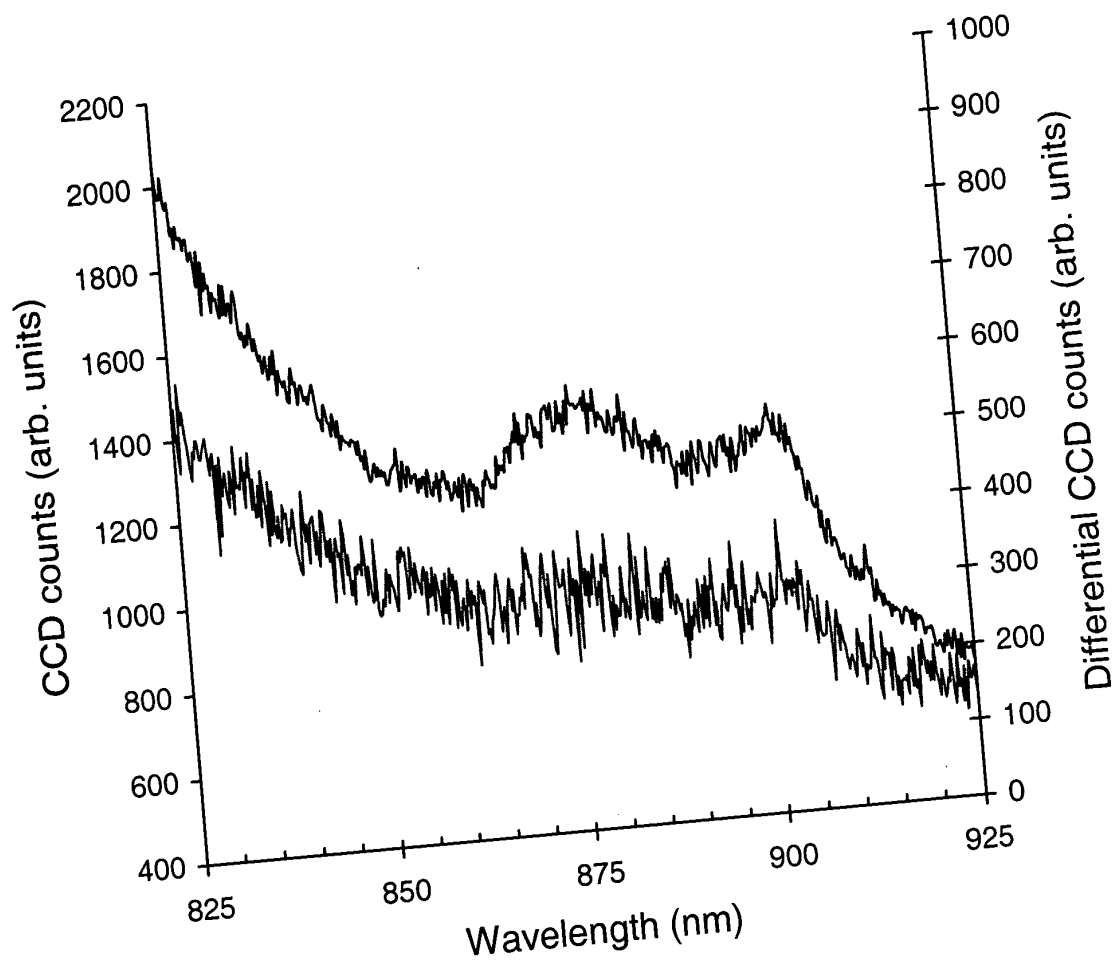
**FIG. 14**



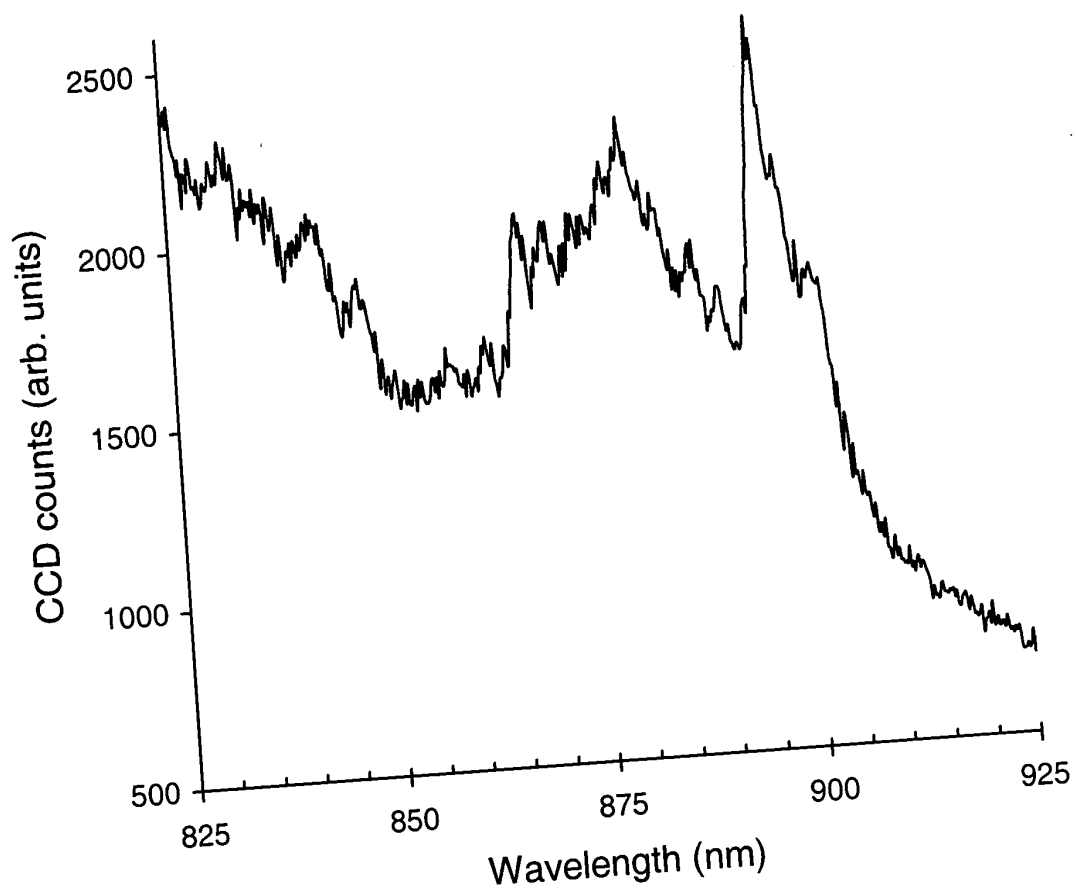
**FIG. 15**



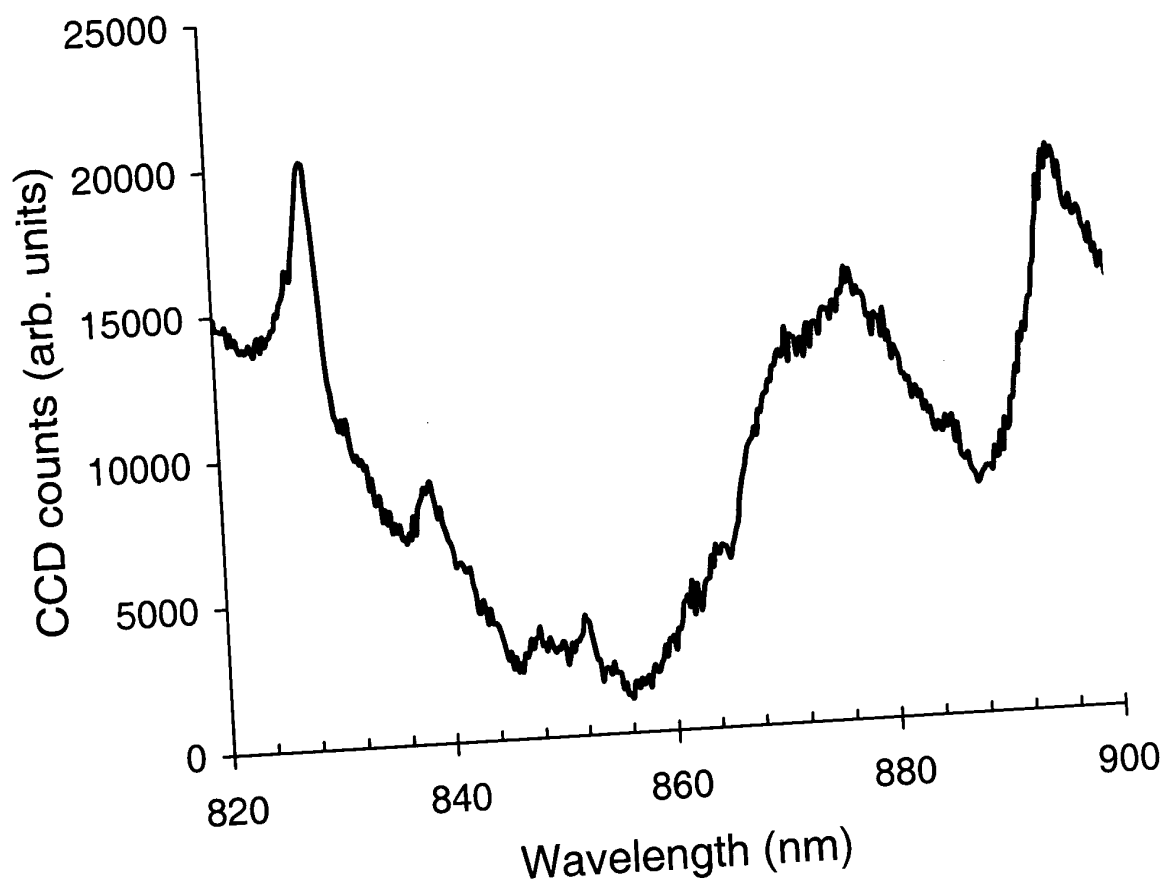
**FIG. 16**



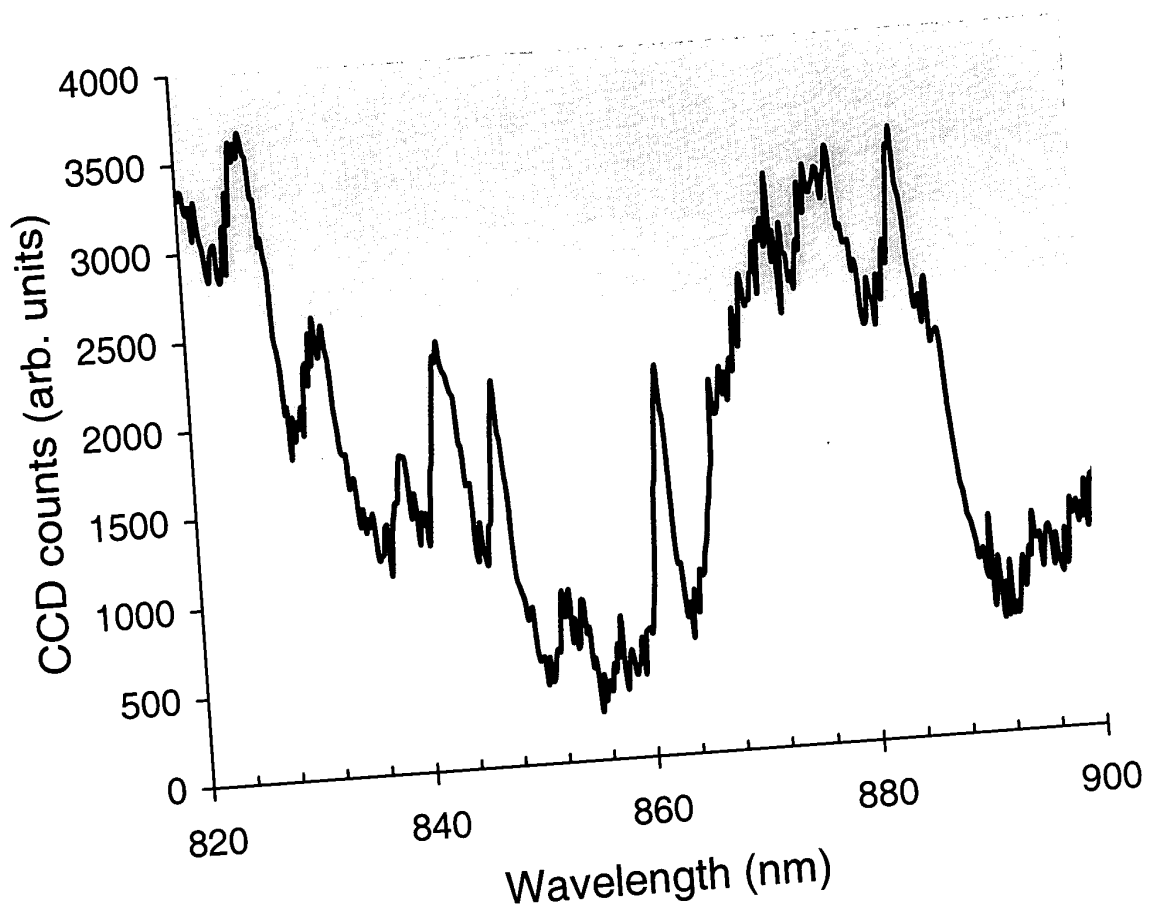
**FIG. 17**



*FIG. 18*



*FIG. 19*



**FIG. 20**

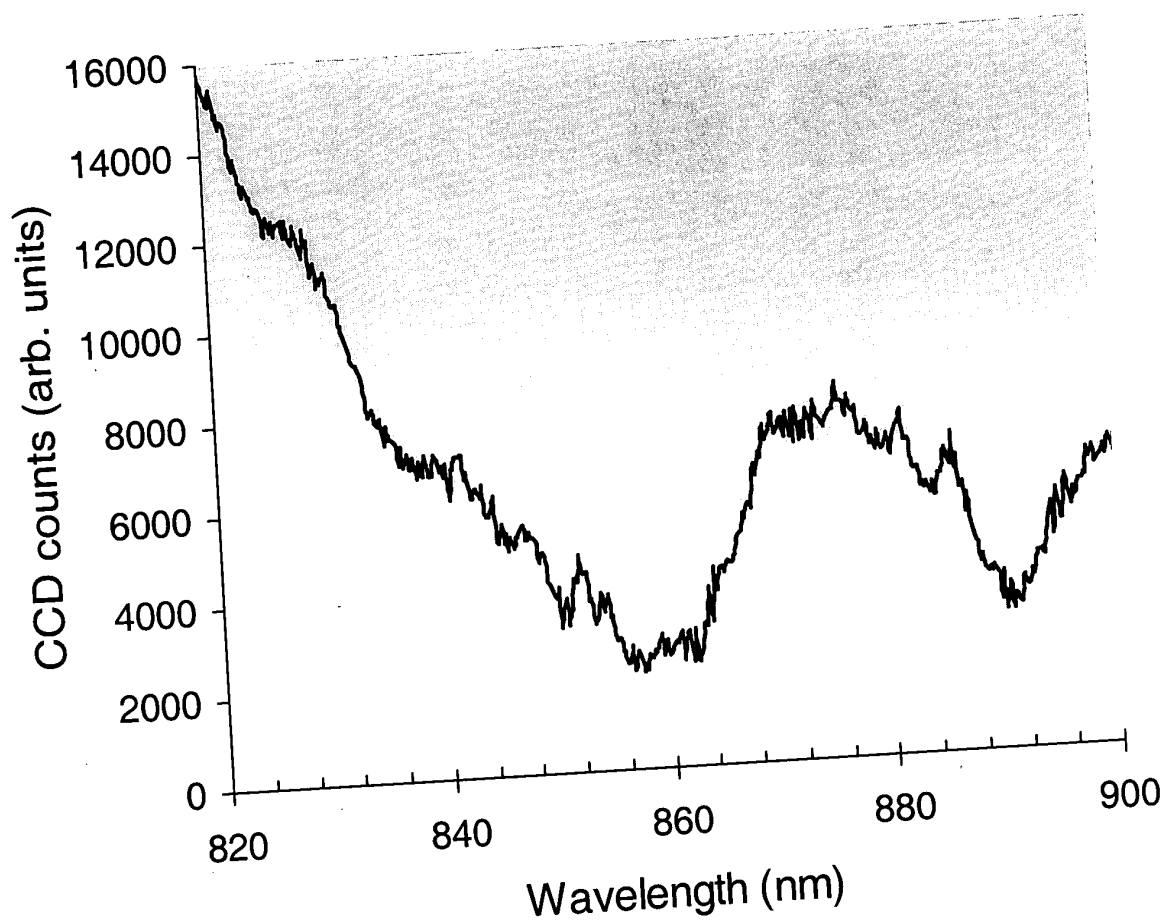


FIG. 21

